

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Ceramic Particles Formed In-Situ in Metal

the specification of which ☒ is attached hereto

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Appln. Serial No.)	(Filing Date)	(Status—patented, pending, abandoned)
(Appln. Serial No.)	(Filing Date)	(Status—patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Tracey D. Beiriger (Reg. No. 37402), Charles O. Buckwalter (Reg. No. 32969), Glenn E. Klepac (Reg. No. 26474),  
Edward L. Levine (Reg. No. 28097), David W. Pearce-Smith (Reg. No. 31285), Gary P. Topolosky (Reg. No. 31888),  
Thomas R. Trempus (Reg. No. 29708)

Address all telephone calls to David W. Pearce-Smith, Esq. at telephone no. (412)337-2768  
Aluminum Company of America  
Alcoa Technical Center  
100 Technical Drive  
Alcoa Center, PA 15069-0001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Men Glenn Chu

Inventor's signature 

Date 97-11-25

Residence Export, Pennsylvania

Citizenship U.S.A.

Post Office Address Aluminum Company of America

Alcoa Technical Center

100 Technical Drive

Alcoa Center, PA 15069-0001

Inventor's signature *R. P. Long* Date 11-25-97  
Residence Murrysville, Pennsylvania Citizenship U.S.A.  
Post Office Address Aluminum Company of America  
Alcoa Technical Center  
100 Technical Drive  
Alcoa Center, PA 15069-0001

1. **Introduction**  
 2. **Background**  
 3. **Methodology**  
 4. **Results**  
 5. **Discussion**  
 6. **Conclusion**  
 7. **References**  
 8. **Appendix**  
 9. **Index**  
 10. **Table of Contents**  
 11. **Abstract**  
 12. **Summary**  
 13. **Key Words**  
 14. **Keywords**  
 15. **Subject Headings**  
 16. **Classification**  
 17. **Indexing**  
 18. **References**  
 19. **Appendix**  
 20. **Index**  
 21. **Table of Contents**  
 22. **Abstract**  
 23. **Summary**  
 24. **Key Words**  
 25. **Keywords**  
 26. **Subject Headings**  
 27. **Classification**  
 28. **Indexing**  
 29. **References**  
 30. **Appendix**  
 31. **Index**  
 32. **Table of Contents**  
 33. **Abstract**  
 34. **Summary**  
 35. **Key Words**  
 36. **Keywords**  
 37. **Subject Headings**  
 38. **Classification**  
 39. **Indexing**  
 40. **References**  
 41. **Appendix**  
 42. **Index**  
 43. **Table of Contents**  
 44. **Abstract**  
 45. **Summary**  
 46. **Key Words**  
 47. **Keywords**  
 48. **Subject Headings**  
 49. **Classification**  
 50. **Indexing**  
 51. **References**  
 52. **Appendix**  
 53. **Index**  
 54. **Table of Contents**  
 55. **Abstract**  
 56. **Summary**  
 57. **Key Words**  
 58. **Keywords**  
 59. **Subject Headings**  
 60. **Classification**  
 61. **Indexing**  
 62. **References**  
 63. **Appendix**  
 64. **Index**  
 65. **Table of Contents**  
 66. **Abstract**  
 67. **Summary**  
 68. **Key Words**  
 69. **Keywords**  
 70. **Subject Headings**  
 71. **Classification**  
 72. **Indexing**  
 73. **References**  
 74. **Appendix**  
 75. **Index**  
 76. **Table of Contents**  
 77. **Abstract**  
 78. **Summary**  
 79. **Key Words**  
 80. **Keywords**  
 81. **Subject Headings**  
 82. **Classification**  
 83. **Indexing**  
 84. **References**  
 85. **Appendix**  
 86. **Index**  
 87. **Table of Contents**  
 88. **Abstract**  
 89. **Summary**  
 90. **Key Words**  
 91. **Keywords**  
 92. **Subject Headings**  
 93. **Classification**  
 94. **Indexing**  
 95. **References**  
 96. **Appendix**  
 97. **Index**  
 98. **Table of Contents**  
 99. **Abstract**  
 100. **Summary**  
 101. **Key Words**  
 102. **Keywords**  
 103. **Subject Headings**  
 104. **Classification**  
 105. **Indexing**  
 106. **References**  
 107. **Appendix**  
 108. **Index**  
 109. **Table of Contents**  
 110. **Abstract**  
 111. **Summary**  
 112. **Key Words**  
 113. **Keywords**  
 114. **Subject Headings**  
 115. **Classification**  
 116. **Indexing**  
 117. **References**  
 118. **Appendix**  
 119. **Index**  
 120. **Table of Contents**  
 121. **Abstract**  
 122. **Summary**  
 123. **Key Words**  
 124. **Keywords**  
 125. **Subject Headings**  
 126. **Classification**  
 127. **Indexing**  
 128. **References**  
 129. **Appendix**  
 130. **Index**  
 131. **Table of Contents**  
 132. **Abstract**  
 133. **Summary**  
 134. **Key Words**  
 135. **Keywords**  
 136. **Subject Headings**  
 137. **Classification**  
 138. **Indexing**  
 139. **References**  
 140. **Appendix**  
 141. **Index**  
 142. **Table of Contents**  
 143. **Abstract**  
 144. **Summary**  
 145. **Key Words**  
 146. **Keywords**  
 147. **Subject Headings**  
 148. **Classification**  
 149. **Indexing**  
 150. **References**  
 151. **Appendix**  
 152. **Index**  
 153. **Table of Contents**  
 154. **Abstract**  
 155. **Summary**  
 156. **Key Words**  
 157. **Keywords**  
 158. **Subject Headings**  
 159. **Classification**  
 160. **Indexing**  
 161. **References**  
 162. **Appendix**  
 163. **Index**  
 164. **Table of Contents**  
 165. **Abstract**  
 166. **Summary**  
 167. **Key Words**  
 168. **Keywords**  
 169. **Subject Headings**  
 170. **Classification**  
 171. **Indexing**  
 172. **References**  
 173. **Appendix**  
 174. **Index**  
 175. **Table of Contents**  
 176. **Abstract**  
 177. **Summary**  
 178. **Key Words**  
 179. **Keywords**  
 180. **Subject Headings**  
 181. **Classification**  
 182. **Indexing**  
 183. **References**  
 184. **Appendix**  
 185. **Index**  
 186. **Table of Contents**  
 187. **Abstract**  
 188. **Summary**  
 189. **Key Words**  
 190. **Keywords**  
 191. **Subject Headings**  
 192. **Classification**  
 193. **Indexing**  
 194. **References**  
 195. **Appendix**  
 196. **Index**  
 197. **Table of Contents**  
 198. **Abstract**  
 199. **Summary**  
 200. **Key Words**  
 201. **Keywords**  
 202. **Subject Headings**  
 203. **Classification**  
 204. **Indexing**  
 205. **References**  
 206. **Appendix**  
 207. **Index**  
 208. **Table of Contents**  
 209. **Abstract**  
 210. **Summary**  
 211. **Key Words**  
 212. **Keywords**  
 213. **Subject Headings**  
 214. **Classification**  
 215. **Indexing**  
 216. **References**  
 217. **Appendix**  
 218. **Index**  
 219. **Table of Contents**  
 220. **Abstract**  
 221. **Summary**  
 222. **Key Words**  
 223. **Keywords**  
 224. **Subject Headings**  
 225. **Classification**  
 226. **Indexing**  
 227. **References**  
 228. **Appendix**  
 229. **Index**  
 230. **Table of Contents**  
 231. **Abstract**  
 232. **Summary**  
 233. **Key Words**  
 234. **Keywords**  
 235. **Subject Headings**  
 236. **Classification**  
 237. **Indexing**  
 238. **References**  
 239. **Appendix**  
 240. **Index**  
 241. **Table of Contents**  
 242. **Abstract**  
 243. **Summary**  
 244. **Key Words**  
 245. **Keywords**  
 246. **Subject Headings**  
 247. **Classification**  
 248. **Indexing**  
 249. **References**  
 250. **Appendix**  
 251. **Index**  
 252. **Table of Contents**  
 253. **Abstract</**